## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS | ID NO. | DATE    |  |  |  |  |  |
|---------------------------|----------|--------|---------|--|--|--|--|--|
| POSITION                  |          |        |         |  |  |  |  |  |
| FEE DETERMINATION         |          |        |         |  |  |  |  |  |
| O.I.P.E. CLASSIFIER       |          |        | 8-30-01 |  |  |  |  |  |
| FORMALITY REVIEW          |          |        |         |  |  |  |  |  |
| RESPONSE FORMALITY REVIEW |          |        |         |  |  |  |  |  |
|                           |          |        |         |  |  |  |  |  |

## INDEX OF CLAIMS

|          | Rejected                   | N  | Non-elected  |
|----------|----------------------------|----|--------------|
| <b>.</b> | Mowad                      | ï  | Interference |
| = .      | Allowed                    | Δ. | Appeal       |
| - (      | (Through numeral) Canceled |    | Objected     |
|          | Restricted                 | U  | Objected     |

| } ÷ |          |          |            |               |          |              |                |          | F        | estr  | icte               | d            |          | 0        |          |          |          |  |          |          | Objectea       |          |          |          |          |               |            |                |              |          |              |          |  |           |           |          |
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| _   | _        |          |            |               |          |              |                |          |          | 1   | Claim Date Claim C |              |          |          |          |          |          |  |          |          |                | D        | Date     |          |          |               |            |                |              |          |              |          |  |           |           |          |
| CI  | aim<br>T | -        | _          | _             | _        | Т            | ale            | _        | $\neg$   | Τ-  | Т                  | -            | F        | -        |          | Т        | Т        | T  | Т        | T        | Т              | Т        | T        | 7        |          | al            | $\neg$     |                | 1            | 1        |              | -        | 1  |           |           |          |
| _   | Original | U        | 2          | 1             | 1        | 1            | -              |          |          | -   | İ                  |              | ā        | Original |          | 1        |          |  | -        | - {      |                | 1        | 1        | i        | Final    | Original      | -          |                | 1            | 1        |              |          |  |           |           |          |
| 1 2 | Drig     | 0        | 4          | -             | ì        |              | 1              | -        | -        | 1   | 1                  |              | Final    | ठ        | $\perp$  | _]       | _        | _  | _        | _        | 4              | _        | $\perp$  | 4        | i i      | Ō             |            |                | -            |          | +            | +        | +  | +         | ╁         | -        |
| F   | K        | Ť        | +          | ╅             | ┪        | +            | 1              | _        | 1        | $\top$  | T                  | 7            |          | 51       |          |          | $\perp$  | _ .  | ᆜ        | _        | _              | _        | _ _      | 4        | $\vdash$ | 101           | $\dashv$   | +              | +            | +        | +            | -        | +  | +         | +         |          |
| ۲   | 1        | ľ        | ╅          | _             | ┰        | T            | 7              | 1        | $\neg$   | T   | L                  | ]            |          | 52       | $\bot$   |          |          | 4  | 4        | _        | _              |          | - -      | 4        | -        | 102<br>103    | -+         | -+             | -+           | +        | +            |          |  | +         | +         | -        |
| r   | 1.       | ۲        | 1          | _             |          | T            | 7              | $\neg$   | Т        | T   |                    |              | L        | 53       |          |          | _        | _  | _        | 4        | _              |          | _        | 4        | $\vdash$ | 104           | $\dashv$   | $\dashv$       | +            | +        | +            | +        | +  | +         | +         | -        |
| 2   | 1 2      | ١.       | -          | 1             | 1        | 1            |                |          |          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | Ι.                 | ]            |          | 54       | _        | _        | _        | _  |          |          | {              | -+       | -+       |          | $\vdash$ | 105           | $\dashv$   | +              | +            | +        | +            | +        | -+   | +         | +         | _        |
| r   | 1        | ì        | T          | T             |          |              | $\Box$         | $\Box$   |          |   |                    | 1            |          | 55       | 4        |          | _        |  |          |          |                | -+       | +        | -        | -        | 106           |            | +              | -+           |          | +            | +        | ╅  | +         | 十         | _        |
| Г   | 1        | Ţ        |            |               |          |              | $\perp$        | ┙        | _ _      |   |                    | 4            | $\vdash$ | 56       |          | _        | Н        | $\dashv$   | -        | $\dashv$ |                | -        | -+       | $\dashv$ | -        | 107           |            | +              | +            | ┪        | 寸            | _        | +  | +         | 十         | _        |
| Ľ   | 7,       | IJ_      |            |               |          | 1            | $\perp$        |          | 4        | $\perp$   | 4                  | 4            | <u> </u> | 57<br>58 | -        |          | H        | $\dashv$   |          |          |                | -+       | -+       | ┥        | $\vdash$ | 108           |            | +              | $^{\dagger}$ | _        | _            | 1        | 7  | $\dashv$  | 寸         |          |
| Г   |          | Q.       |            | _             | _ _      | $\downarrow$ | _              | $\perp$  |          |   | -                  | -4           | -        |          |          |          | -        | -1   |          | $\dashv$ | -              | $\dashv$ | $\dashv$ | $\dashv$ | -        | 109           |            | _              | -+           | _        | 1            | 寸        | $\neg$   | $\exists$ | $\top$    | _        |
| L   | Ş        | 2        | _          | _             | _        | 4            | 4              | $\dashv$ | $\dashv$ | _   | +                  |              | -        | 59       | $\dashv$ | _        | -        | $\vdash$   |          |          |                | $\vdash$ | -+       | $\dashv$ | $\vdash$ | 110           |            | 7              | 寸            | 1        |              |          | 7  |           |           | Ξ        |
| L   | 1        |          | 4          | $\perp$       | $\perp$  | 4            |                | _        |          | -   | -                  | -            | -        | 60<br>61 | $\vdash$ | _        | ┝        | Н  |          | -        | -              |          | -+       |          | _        | 111           |            |                | 7            | $\neg$   |              |          |  | $\Box$    |           |          |
| L   |          | V.       | 4          | 4             | $\dashv$ | +            |                |          |          | -}  | +                  | $\dashv$     | $\vdash$ | 62       |          |          | $\vdash$ | -  |          | _        | _              | H        | $\dashv$ | 7        | $\vdash$ | 112           | 2          |                |              |          |              | $\Box$   |  |           |           | _        |
| L   |          | 2        | 4          | 4             | 4        | 4            | -+             | $\dashv$ | -        | -}  | +                  | $\dashv$     | $\vdash$ | 63       |          |          | $\vdash$ | -  | $\vdash$ | $\vdash$ | $\vdash$       | П        | $\top$   | $\neg$   |          | 11            | 3          |                |              |          |              |          |  |           | _         | _        |
| L   |          | 9        | -+         | -             | -+       | -}           | -+             | -        | $\dashv$ | $\dashv$  | +                  | $\dashv$     | -        | 64       | H        | _        | $t^-$    | <del>                                     </del> | _        | -        |                |          |          | 7        | Г        | 11            | 4          |                |              |          |              |          | _  | _         |           | _        |
| -   |          | 7        | 4          | $\dashv$      | $\dashv$ | +            | -+             |          | $\dashv$ | $\dashv$  | -+                 | $\dashv$     |          | 65       | -        |          | T        | 1  | -        |          | $\vdash$       |          | П        |          |          | 11            | _          |                |              | _        |              |          | _  |           |           |          |
| +   |          | 6        | ,          | -+            | -+       | -+           | ᆉ              | -        | $\dashv$ | $\dashv$  | $\dashv$           | ┨            |          | 66       | Г        | $\vdash$ | ✝        | $\vdash$   |          |          | 1              | П        |          |          |          | 11            |            |                | _            | _        |              | _        | _  |           | $\sqcup$  | <u> </u> |
| -   |          | 7        | ?          | -+            | -+       | -            | $\dashv$       | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$           | $\dashv$     | _        | 67       |          | 1        | T        | $\top$   | Π        |          |                | Γ.       |          |          |          | 11            |            |                |              |          |              |          | _  | $\dashv$  | $\vdash$  | -        |
| ┝   |          | 18       | ++         | -             | ┪        | $\dashv$     | $\dashv$       | $\dashv$ | _        | $\vdash$  | 十                  | _            |          | 68       |          | Γ        | 1        |  |          |          | L              | L        |          | _        | L        | 11            |            |                | _            | $\sqcup$ | _            | -        | $\rightarrow$                                    |           | $\vdash$  | H        |
| F   |          | 19       | ╢          | 一             |          | 7            | -1             | _        | _        |   | 一                  | ╗            |          | 69       |          | Г        | T        |  | Γ.       |          | L.             |          | Ш        | _        | _        | 11            |            |                | Щ            |          |              | $\vdash$ | $\dashv$   | Н         | H         | ┝        |
| H   | _        | 20       | - -        | $\dashv$      | $\dashv$ |              |                | Н        | -        | H   |                    | 7            |          | 70       |          | 1        | T        | T  | Г        | Γ        | 1              | 1        |          |          | L        | 12            |            |                |              |          | _            |          |  | لــــا    |           | L        |
| ŀ   |          | 21       | ╫          | -             | -+       | -            | -              | H        | $\vdash$ | $\vdash$  | $\dashv$           | $\neg$       | -        | 71       |          | Γ        | Τ        |  |          |          |                |          |          |          | L        | 12            |            | <u> </u>       |              | $\sqcup$ | _            | _        |  |           | <u> </u>  | ⊦        |
| ŀ   | _        | 22       | +          | _             | $\vdash$ |              |                |          | $\vdash$ | Г   | П                  | ╗            |          | 72       |          | $\Box$   | L        | L  | L        | 上        | 上              | _        | Ш        | $\Box$   | -        | 12            |            | ├-             | ⊢            | Ш        | _            | _        |  | -         | ╁         | ╁        |
| 1   |          | 23       | +          | $\overline{}$ |          |              | М              | $\vdash$ |          |   | $\Box$             | ╗            |          | 7:       |          |          |          | L  | 1_       | 1_       | 1_             | 1_       |          |          | -        | 12            | 24         | -              | ⊢            | _        | -            | -        | ┝╌   |           | ⊢         | ╁        |
| ł   |          | 24       | $\top$     | $\vdash$      |          |              | Г              | Т        | Г        | 1   |                    |              |          | 7.       |          |          | 1_       | 1_   | ╀        | ╄        | 丰              | $\perp$  | $\vdash$ | Н        | -        |               | _          | <del> </del> − | ├-           | -        | -            | $\vdash$ | H  | $\vdash$  | ╁╴        | t        |
| Ì   | 寸        | 25       | T          |               |          |              |                |          |          |   |                    |              |          | 7        |          | Ļ        | 4        | $\bot$   | 4_       | 1_       | <del> </del> _ | -        | ↓_       | Н        | -        | _             | 25         | ├              | ⊢            | -        |              | +-       | ├-   | ╁         | 十         | t        |
| 1   | $\neg$   | 26       | П          |               |          |              |                |          |          |   | Ш                  |              | Ļ        | 76       |          | 1        | 4        | ╀  | +-       | -        |                | +-       | ┼-       | $\vdash$ | H        |               | 6<br>27    | ╁              | ╁            | +-       | -            | +-       | ┢╌   | ┢         | ╁         | t        |
| Ţ   |          | 27       |            |               |          |              |                | 上        | L        | <u> </u>  | $\sqcup$           | _            | -        | 7        |          | -        | -        | +-   | +        | +-       | +              | ╁        | +-       | Н        | ŀ        |               | 28         | +-             | +-           | $\vdash$ | H            | $\vdash$ | 一  | Т         | $\top$    | t        |
| [   |          | 28       | Ц          |               | <u> </u> | _            | L.             | ــــ     | 1_       | <u> </u>  | Ш                  | $\dashv$     |          | 7        |          | ╀        | +        | +  | ╁        | +        | +              |          | +-       | $\vdash$ | <br>     |               | 29         | +              | +            | $\top$   | 1            | 1        | <del>                                     </del> | $\top$    | $\top$    | T        |
| ļ   | _d       | 29<br>30 |            | ┞_            | Ļ        | L            | <u> </u>       | ↓_       | ↓_       | ╄-  | H                  | $\vdash$     | ⊢        | - 8      |          | ╁        | ╁        | ╁  | ╁        | +-       | +              | +        | +        | $\vdash$ | ŀ        |               | 30         | T              | $\top$       | 1        | T            | T        | Π  | Т         |           | T        |
| ļ   | _ ^      | 30       | >          | <b>↓</b> _    | ┞-       | L            | 1_             | 1-       | ↓_       | ╀   | H                  | $\vdash$     | ŀ        | - 8      |          | ╁        | ╅        | ┿  | +        | 十        | 十              | +        | 十        | $\vdash$ | ţ        | 1             | 31         | 1              | 1            | Τ        | Τ            |          |  |           | L         | I        |
| ļ   |          | 3        | <b>}</b> : | <b>Ļ.</b> .   | $\vdash$ | ┡            | <del> </del> − | ╁        | ┼        | +-  | $\vdash$           | $\vdash$     | <b> </b> | 8        |          | +        | 十        | +  | +        | +        | +              | +-       |          | $\vdash$ | 1        |               | 32         |                |              |          |              |          | L  |           | $\perp$   | 1        |
|     | ,        | 32       |            | ┼-            | ╀        | ├-           | ┼              | ╁        | ╁        | ╁   | $\vdash$           | $\vdash$     | · -      | - 8      |          | $^{+}$   | +        | +  | ╈        | +        | +              |          | $\top$   | $\Box$   |          |               | 33         | T              |              |          |              | _        | 丄  | 上         | $\perp$   | 4        |
|     | <u> </u> | 33<br>34 |            | +-            | ╀        | ⊢            | ╀              | ╁        | ╁╌       | +-  | +-                 | Н            | ŀ        | - 8      |          | +        | - -      | 7  | 十        | $\top$   | $\top$         | $\top$   | $\top$   | $\Box$   |          |               | 34         |                |              | 1_       | 1_           | 1_       | 1  | 1         | 4         | 4        |
|     | <u> </u> | 35       | _          | ╁             | -        | ╀            | +              | ╁        | +        | ╁   | ╁                  | H            |          |          | 5        | †        | _        | 十  | 1        | ┪        | ┪              |          | $\top$   |          | [        |               | 35         | ┸              | _            | ┸        | $\downarrow$ | ↓_       | 1_   | 1         | 4         | 4        |
|     | ├─       | 36       |            | ╁             | +-       | ╁            | ╁              | +-       | +        | ╁   | ╁                  | $\vdash$     | 1 1      | 1        | 6        | 1        | 7        | $\top$   | Т        |          |                |          | 1        |          | ļ        | _1.           | 36         | 1              | 1_           | 4_       | Ļ            | 4-       | +  | 4         | +         | 4        |
|     | ┝        | 37       |            | ╁             | ╅╴       | t            | +-             | 十        | $\top$   | ╁   | $\top$             | T            | 1 1      | 1        | 7        | T        |          |  |          |          | $\perp$        | ᆜ        | $\perp$  | $\perp$  |          |               | 37         | -              | +            | +        | +            | +        | ╀  | ╀         | ╁         | +        |
|     | ┢        | 38       |            | +             | +        | ╁            | 1-             | +        | 1        | 1   | 1                  |              | 1 [      |          | 8        |          | $\Box$   | $\perp$  | $\perp$  | $\perp$  | 1              | _        | $\perp$  | 4        |          | $\rightarrow$ | 38         | +              | +            | ╀        | ╀            | +        | ╁  | +-        | +         | 4        |
|     | ┢        | 39       |            | $\top$        | 1        | 1            | 1-             | 1        | T        | 7   |                    |              | ] [      |          | 39       |          | _        | 4  | $\perp$  | 4        | _              | _        | _        | -        |          | _             | 39         | +-             | +            | +        | +            | ╁        | ╀  | +         | +-        | ┥        |
|     | $\vdash$ | 40       |            | 1             | +-       | 1            | 十              | T        | Т        | T   | $\top$             | T            | 1        | - 1      | 90       |          |          |  |          | _        |                | _ _      | 1        | ┷        |          |               | 40         | - -            | - -          |          | +            | +        | ╁  | +         | +         | $\dashv$ |
|     | $\vdash$ | 4        | 十          | 1             | 1        | †            | $\top$         | $\top$   | $\top$   | $\top$  | $\top$             | Τ            | ]        |          | 91       |          | _        | $\perp$  | _        | _        | 4              |          | _        | _        | '        | _             | 141        | 4-             | $\perp$      | +        | +            | +        | +  | +         | ╁         | ┥        |
|     | H        | 42       |            | T             | $\top$   | $^{\dagger}$ | $\top$         | 1        | 7        |   |                    |              | ] '      |          | 92       |          | _        | $\dashv$   | _        | 4        | $\downarrow$   | $\perp$  | 4        | +        |          |               | 142<br>143 | - -            | +-           | +        | +            | +        | +  | +         | +         | $\dashv$ |
|     |          | 4        |            | T             | $\top$   | T            | T              |          |          |   | L                  | $\mathbb{L}$ | ]        |          | 93       | 4        | _        | _  | 4        | $\dashv$ | 4              | -+       | -        | +        | 1        |               | 144        | +              | +            | +        | +            | +        | +  | +         | +         |          |
|     |          | 4        | 4          | J             |          |              | Ι              | floor    | m I      | $\perp$   | L.                 | 1            | 1        |          | 94       | _        | _        | _  | -        | -+       | -+             |          | -        | +        | 1        |               | 145        | +              | +            | +        | +            | +        | +  | +         | 十         | _        |
|     |          | 4        | 5          |               |          | I            | $\perp$        | J        | $\perp$  | _   | 4                  | 1            | 4        |          | 95       | 4        |          | $\dashv$   | 4        | +        | -              | +        | +        | +        | 1        | <del> </del>  | 146        | +              | +            | +        | +            | +        | 十  | $\dagger$ | $\top$    | _        |
|     |          | 4        |            | I             |          | $\perp$      |                | 1        | _        |   | 4                  | 4-           | 4        |          | 96       | $\dashv$ | $\dashv$ | -  | -        | $\dashv$ | +              | $\dashv$ | +        | +-       | 1        | -             | 147        | +              | $\dagger$    | +        | $\dagger$    | 十        | +  | $\dagger$ | $\dagger$ | _        |
|     |          | 4        |            |               |          | _            | $\perp$        | 4        | 4        | _   | _                  | $\perp$      | 4        |          | 97<br>98 | _        | -        | -  | -        | -+       | -              | $\dashv$ | 十        | ┰        | 1        | -             | 148        | -              | +            | $\dashv$ | +            | _        | 十  | $\top$    | _         | _        |
|     | L        | _        | 8          | 4             | _        | 4            | 4              | 4        | 4        | +   | +                  | +            | -        | Н        | 98       | _        | H        | $\vdash$   |          |          | -+             | -+       | -+       | +        | ┪・       | 1             | 149        | -†             | 7            | 1        | 十            |          | I  |           | $\Box$    |          |
|     | 1        |          | 9          | 4             | -        | 4            | +              | +        | +        | +   | +                  | +            | -1       | $\vdash$ | 100      |          | $\vdash$ | $\vdash$   | $\dashv$ | -        | -              | -        | +        | ┪-       | j        | L             | 150        | $\exists$      |              |          |              |          | I  | I         | $\Box$    |          |
| _   | 1_       | 15       | 0          | $\perp$       |          |              | 1              |          |          |   |                    |              | لـ       | _        |          | —        |          |  |          |          |                |          |          |          | -        |               |            |                |              |          |              |          |  |           |           |          |

If more than 150 claims or 10 actions staple additional sheet here

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